TABLE 5

Solid Radioactive Waste Stored in Burial Ground[a]
(through 1975)

Radionuclide	Earthen Trenches		Retrievable Storage		Total		
	Volume, M^3	Curies	Volume M^3	Curies	Volume, M^3	Curies	Corrected for Decay, Ci[b]
^{252}Cf	400	0	170	12	570	12	7
^{244}Cm	6,000	1,670	800	40,600	6,800	42,300	33,300
^{238}Pu	4,600	3,380	560	257,000[c]	5,160	260,000	251,000
^{239}Pu	12,600	510	600	1,700[d]	13,200	2,210	2,210
^{237}Np	500	0.2	30	2.8	530	3	3
^{238}U	25,600	25	1	0	25,600	25	25
^{235}U	2,600	0.2	10	0	2,600	0.2	0.2
^{3}H	10,300	3,540,000[e]	10	146,000	10,300	3,690,000	2,550,000
Fission Products	164,000	678,000[f]	50	25,400	164,000	703,000	58,300[f]
Activation Products	22,900	3,250,000[g]	10	450	22,900	3,250,000	970,000
Totals	250,000	7,470,000	2,240	471,000	252,000	7,950,000	3,860,000

a. Volumes and curies rounded to no more than 3 significant figures.

b. Corrected for decay through 1975.

c. Includes 230,000 curies in AEC waste received from off-site.

d. Includes 150 curies in AEC waste received from off-site.

e. Includes 1,470,000 curies in AEC waste received from off-site.

f. Cesium-137 and strontium-90 are estimated at 2% each of the total before decay and 40% each after decay.

g. Cobalt-60 is estimated to be 98% of this total.

678,000 × 2% = 13,560 Ci of Sr+Cs

58,300 × 40% = 23320 Ci

2%(678,000) + ?%(25,400) = 40%(58,300)

13,560 Ci + ?%(25,400) = 23320 Ci

?%(25,400) = 23320 − 13,560 = 9760

?% = 9760 / 25400 = 38% of the 7Pcurt Retrievable waste is as Cs+Sr.